

Nicholas Vadivelu - Curriculum Vitae

(647) 643-4450 · nbvadive@uwaterloo.ca · nicholasvadivelu.com

EDUCATION	<i>Bachelor of Mathematics, Computer Science and Statistics (Double Major)</i> University of Waterloo, Waterloo, ON, Expected April 2022	
EXPERIENCE	Citadel , <i>Incoming Quantitative Research Intern</i>	Summer 2021
	<ul style="list-style-type: none">• test point• another test point	
	NVIDIA , <i>Performance Software Engineering Intern</i>	Fall 2020
	<ul style="list-style-type: none">• test point• another test point	
RESEARCH	Advisor: Professor Gautam Kamath , <i>University of Waterloo</i>	Fall 2020
	<ul style="list-style-type: none">• summary of research	
	Advisor: Professor Pascal Poupart , <i>University of Waterloo</i>	Fall 2020
	<ul style="list-style-type: none">• summary of research	
PUBLICATIONS	Nicholas Vadivelu , Mengye Ren, James Tu, Jingkang Wang, Raquel Urtasun. Learning to Communicate and Correct Pose Errors. In <i>Conference on Robot Learning (CoRL)</i> , Virtual, 2020.	
	Pranav Subramani, Nicholas Vadivelu , Gautam Kamath. Enabling Fast Differentially Private SGD via Just-in-Time Compilation and Vectorization. In <i>NeurIPS PPML Workshop</i> , Virtual, 2020.	
TALKS	Clustering for Image Analysis (with Kanika Chopra). <i>WiSTEM High School Student Conference</i> , Virtual, Feb 2021.	
	Establishing a Productive Machine Learning Workflow. <i>Hack the North++</i> , Virtual, Jan 2021.	
SOFTWARE	ShapeCheck : Framework agnostic runtime array checking library.	
	JAX ResNet : Composable, unit-tested code and checkpoints for ResNet variants.	
LEADERHIP	UWaterloo Data Science Club , <i>Lecturer</i>	Fall 2018 - Present
	<ul style="list-style-type: none">• test point• another test point	